

KRENKEL', E., Geroy Sovetskogo Soyuza; VISHNEVETSKIY, F.; TARIVERDIYEV, D.,
kand. tekhn. nauk; KARAYANIY, V.; TOVMASYAN, L., nauchnyy rabotnik
(Yerevan); ROBUL, B.; VOZNYUK, V.; YEREMIN, N., radiolyubitel'
(Moskva); MATLIN, S., inzh.; BORNOVOILOKOV, E., inzh.; GONCHAROV, V.;
GRIF, A.; MSTISLAVSKIY, A.

Works and needs of radio amateurs. Radio no.7:1-3 '64.

(MIRA 18:1)

1. Predsedatel' prezidiuma Federatsii radiosporta SSSR (for Krenkel').
2. Glavnyy redaktor zhurnala "Radio" (for Vishnevetskiy). 3. Chlen Bakinskogo radio-kluba (for Tariverdiyev). 4. Fredsedatel' L'vovskoy oblastnoy sektsii radiosporta (for Karayaniy). 5. Nachal'nik Donetskoy shkoly radioelektroniki (for Robul). 6. Predsedatel' soveta Nove-sibirskogo oblastnogo radiokluba (for Voznyuk). 7. Spetsial'nyy korrespondent "Pravdy" (for Goncharov). 8. Spetsial'nyye korrespondenty zhurnala "Radio" (for Grif, Mstislavskiy).

KARAYANIY, V.

Better workmanship is displayed on the stands. Radio
no.8:13-14 Ag '62. (MIRA 15:8)

1. Predsedatel' soveta oblastnogo radiokluba Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu.
(Radio—Exhibitions)

KARAYANIY, V.

We are giving assistance to rural radio amateurs. Radio no.10:16
0 '62. (MIRA 15:10)

1. Predsedatel' soveta Oblastnogo radiokluba Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu.

(Lvov—Radio clubs)

PA 3/49T101

KARAYANIY, V. S.

Jan 48

USSR/Radio
Radio, Amateur
Antennas

"Antenna for Radio Amateur Sets," V. S. Karayaniy,
3½ pp

"Radio" No 1

Discusses the antenna and its significance, charge
of the electric field, and best effective height
for antenna.

3/49T101

KARAYANTY, V. *S*

L'vov Province - Radio

With the young radio amateurs of the L'vov area. Radio no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

Karayaniy, V. S.

107-8-11/62

AUTHOR: Karayaniy, V., Council Member of the L'VOV Regional "DOSAAF"
Radio Club.

TITLE: Enthusiasts of Radio Competition: A Family of Radio Amateurs.
(Entuziasty radiosporta: Sem'ya radiolyubiteley).

PERIODICAL: Radio, 1957, # 8, p 9, col 1-3 (USSR)

ABSTRACT: This article deals with the activity of Karel Georgiyevich Fekhtel, Chief Operator of the L'VOV Institute of Mechanical Engineering and Automatic Devices of the Ukrainian Academy of Sciences (L'vovskiy institut mashinovedeniya i avtomatiki akademii nauk USSR) and his wife Maina Alekseyevna, Student of the Technical School No 7, who are both active radio amateurs. Their call signs are: UB5WM and UB5WN. The operating journal of Mr. and Mrs. Fekhtel contains many interesting notes about established communications. Only last year, Karel Georgiyevich and his wife established approximately 180 bilateral radio communications at a distance of more than 2,000 km.

Card 1/2 The radio amateurs of NIZHNIY TAGIL, PECHORA, AKMOLINSK and

KARAYANIY, V.

Short and ultrashort radio waves. Radio no.1:17 Ja '66.
(MIRA 19:1)

1. Predsedatel' L'vovskoy oblastnoy sektsii radiosporta Vse-
soyuznogo dobrovol'nogo obshchestva sodeystviya armii, aviatsii
i flotu SSSR.

KARAYANIY, V.

Three-hundred and fifty amateur designs. Radio no. 9:10-11
S '64. (MIRA 17:12)

1. Predsedatel' L'vovskoy oblastnoy sektsii radiosporta.

KARAYANIY, V.

Obligations shall be fulfilled. Radio no.7:5 J1 '61.
(MIRA 14:10)

1. Predsedatel' soveta oblastnogo radiokluba Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu.
(Radio clubs) (Radio operators)

KARAYANEY, V.

"Field day" in the Carpathians. Radio no. 10:8 0 164.

(MIRA 18:2)

1. Predsedatel' L'vovskoy oblastnoy sektsii radiosporta.

KARAYANOPULO, Ye. A.

Highly porous thermoinsulation for industrial buildings. Patent U.S.S.R.
77,969, Dec.31, 1949.
(CA 47 no.19:10196 '53)

KARAYANOV, YA. N. (Eng.)

Motor Trucks

Dump truck of simplified construction. Mekh. trud. rab. 6 no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

KARAIANSKII, V.

Novye radiouzly na L'vovshchine. [New radio broadcasting centers in the Lwow area].
(Radio, Nov. 1948, no. 11, p. 15).

DLC: TK540.R76

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

1. KARAYAYEV, B.I., SPRYSKOV, A.A.
2. USSR (600)
4. Sulfonic Acids
7. Sulfonation. Part 24, hydrolysis of naphthalene-disulfonic acids.
Zhur.ob.khim. 22 no. 10, 1952
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

SOV/65-58-65-5-7/14

AUTHORS: Mitrofanov, M. G; Artem'yeva, O. A; Karaybog, Ye. V.

TITLE: Manufacture of MK-8 Oil from Malgobek, Zhirnovskaya, and Anastas'yevskaya Petroleums (Poluchenie masla MK-8 iz Malgobetskoy, Zhirnovskoy i Anastas'yevskoy neftey)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1953, Nr.5. pp. 42 - 47. (USSR).

ABSTRACT: The MK-8 oil is characterised by its low solidification point (-55°C), and by the position of the viscosity curve (ratio of the kinetic viscosity at -20°C to the kinetic viscosity at 50°C and should not exceed 60%). In 1956 investigations were carried out in GrozNII (Ref.1) which showed that petroleums from various regions could be deparaffinized by the carbamide method, and that low viscosity oils, such as transformer oils, with a solidification point of -45°C, could be obtained. It was found that narrow fractions of the Zhirnovskaya petroleum possess the lowest solidification point (-54° to -62°), and that their viscosity at 50°C was either near or equal to that required by the norms for the MK-8 oil. Experiments are now being carried out to investigate the possibility of producing MK-8 oil from deparaffinized

Card 1/3

SOV/65-58-5-7/14

Manufacture of the MK-8 Oil from Malgobek, Zhirkovskaya, and Anastas'yevskaya
Petroleums.

Zhirkovskaya petroleum fractions, and also from the de-paraffinized distillate of heavy Malgobek petroleum. Table 1 gives the yields and properties of the oil fractions of Zhirkovskaya petroleum before and after deparaffination with crystalline carbamide. It was found that the de-paraffinized fraction at 350°- 375°C showed a solidification point and viscosity corresponding to the norms for the MK-8 oil. Table 2 - yields of properties of distillates of MK-8 oil from Zhirkovskaya petroleum after de-paraffination with crystalline carbamide. The prepared samples were tested for their stability by oxidation according to GOST 981-55; satisfactory results were obtained - Table 3. The low-viscosity oily fractions of Anastas'yevskaya petroleum were also investigated; yields and properties are given in Table 4. Mixtures of the fractions boiling between 300° and 390°C were prepared which satisfied the requirements of norms for the MK-8 oil. This mixture had a solidification point of -55°C and its viscosity at 20°-50°C corresponded to 31 and 9.2 centistoke. This oil, having the characteristics given in Table 5, was obtained after purification of the

Card 2/3

Manufacture of the MK-8 oil from **Malgobek, Zhirmovskaya, and Anastas'yevskaya** Petroleums. SOV/65-58-5-7/14

distillate with 10% sulphuric acid and neutralisation with alkali. This oil does not possess the necessary properties required by the norms. Mixtures of fractions between 320° and 380° from heavy Malgobek petroleum possessed the required viscosity and had a solidification point of -24°C. The properties of the oil obtained after deparaffination and purification with 2.5% sulphuric acid are given also in Table 5; this oil possessed the required properties. There are 5 Tables and 1 Soviet reference.

ASSOCIATION: GrozNII

Georgian Sci Res Institute, Inst.

Card 3/3

ACC NR: AP6033480

SOURCE CODE: UR/0413/66/000/018/0083/0083

INVENTOR: Mitrofanov, M. G.; Berezyuk, P. A.; Karaybog, Ye. V.

ORG: none

TITLE: Dewaxing of petroleum products. Class 23, No. 186063. [Announced by Volgograd Scientific Research Institute of the Petroleum and Gas Industry (Volgograd-skiy nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti)]

SOURCE: Izobret prom obraz tav zn, no. 18, 1966, 83

TOPIC TAGS: urea dewaxing, petroleum product, dichloroethene, liquefied hydrocarbon gas, UREA, PETROLEUM REFINING, SOLVENT ACTION, DEWAXING

ABSTRACT: An Author Certificate has been issued for urea dewaxing of petroleum products in a solvent consisting of a mixture of dichloroethene and liquefied hydrocarbon gases.

SUB CODE: 21/ SUBM DATE: 04Aug65

Card 1/1

UDC: 665.545.3

LEVCHENKO, Ye.S.; BOBKOVAYA, Ye.N.; ARTEM'YEVA, O.A.; KARAYBOG, Ye.V.

Studying the crude oils of the Karabulak-Achaluki field in
the Chechen-Ingush A.S.S.R. Trudy GrozNII no.4:27-39 '59.

(MIRA 12:9)

(Chechen-Ingush A.S.S.R.--Petroleum--Analysis)

MITROFANOV, M.G.; ARTEM'YEVA, O.A.; KARAYBOG, Ye.V.

Producing MK-8 motor oil from Malgobek, Zhirnovsk, and
Anastasiyevskaya crudes. Trudy GrozNII no.4:183-189 '59,
(Lubrication and lubricants) (MIRA 12:9)

MALAKHOV, A.F.; KARAYBOG, Ye.V.

Investigating the bleaching property of clays (opoka) of
certain fields in Volgograd province. Nefteper. i neftelhim.
no.2:10-12 '64. (MIRA 17:8)

1. Volgogradskiy nauchno-issledovatel'skiy institut neftyanoy
i gazovoy promyshlennosti.

KARAYBEG, Ye.V.; ZMILIG, V.I.; SHAPCHIKOV, R.I.; MELIKROVA, A.V.

Raffaffins from Volgograd crudes for the production of synthetic fatty acids. Khim. i tekhn. topi. i naft. 10 no.9:31-33 S 165. (Puna 14:9)

I. Volgogradskiy neftnoe-izdelovatel'skiy institut naftyanye i gazoverye promyslennosti.

1. KARAYEROV, P.G.
2. USSR (600)
4. Uredineae
7. Frequent planned substitution of varieties in commercial sowing and the control of rust. Sel.i sem. 19 no. 12, 1952
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

KARAYEROV, P.G.; YEFIMOV, V.V.

Participants in the All-Union Agricultural Exhibition are speaking.
Sprint.prom. 20 no.4:4-8 '54. (MLRA 7:12)

1. Glavnny agronom sovkhoza imeni Stalina (for Karayerov) 2. Star-
shiy zootehnik Tyurnyasevskogo sovkhoza (for Yefimov).
(Moscow--Agricultural exhibitions)

USSR/Cultivated Plants - Fodders.

M

Abs Jour : Ref Zhur Biol., № 12, 1958, 53682

Author : Karayerov, P.G.

Inst :

Title : On the Problem of Growing Vetch for Seeds.

Orig Pub : Michurinsk. sb. Krasnodar. "Sov. Kuban'", 1957, 221-224

Abstract : This article describes the agricultural technique for vetch seed growing, developed at Stalin Sovkhoz in Novo-Kubanskiy Rayon of Krasnodarskiy Kray. Vetch was sown during the early periods on soil plowed in the fall. The sunflower was sown crosswise with the space between rows 50-70 cm. From the moment of the beginning of budding, the sowings were sprayed 2-3 times with hexachlorane or with DDT. After 2-year production sowings in 1954-1956, a yield of up to 8.5 cwt/ha of vetch seeds was obtained. -- V.M. Kashmanova

Card 1/1

- 74 -

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USSR / Cultivated Plants. Fodders.

M-4

Abs Jour: Ref Zhur-Biol., No 6, 1958, 25092

Author : Karayerov, P.G.

Inst : Not given

Title : The Seed Raising of Vetch

Orig Pub: Vestn. s.-kh. nauki, 1957, No 5, 53-55 (Res. Eng.
Ger.)

Abstract: At the "Khutorok" sovkhoz in Novo-Kubanskiy Rayon of Krasnodarskiy Kray, to control vetch pests, DDT or hexachloro cyclohexane was dusted twice or three times from airplanes at the moment the vetch budded. To control drooping in the vetch, the vetch was mixed in sowing with sunflower, corn, wheat and oats. The best results were seen in mixing vetch with sunflower, since vetch is sown by the ordinary row method, whereas the sun-

Card 1/2

KARAYEROV, P.G., agronom.

Crop rotation with one crop sown to the same plot for several
years. Zemledelie 6 no.2:10-13 '58. (MIRA 11:3)
(Rotation of crops)

KARAYEVOV P. G.

COUNTRY : USSR
CATEGORY : Cultivated Plants. Cereals. M
ABS. JOUR. : RZhNicol., №.14, 1958, №.63364
AUTHOR : Karayevov, P. G.
INST. : -
TITLE : Strip Planting of Corn (in Checkrow Spacing of Plants)
ORIG. PUB. : Kukuruza, 1958, No. 1, 47-50
ABSTRACT : No abstract.

Card: 1/1

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KARAYEROV, P.G.

Practices used in cultivating vetchling on the Stalin "Khutorok"
State Sugar Beet Farm. Zemledelie 7 no.4:57-58 Ap '59.

(MIRA T2:6)

1. Glavnny agronom sverklosovkhoza imeni Stalina "Khutorok,"
Severnyy Kavkaz.
(Vetchling)

KARAYEROV, P.

Introduce sorgo in arid areas. Nauka i pered.op.v sel'khoz.
9 no.9:68-70 S '59. (MIRA 13:2)

1. Glavnnyy agronom sovkhosa imeni Stalina "Khutorok," Krasnodarskiy kray.
(Sorghum)

KARAYEROV, P.G.

Sugar-beet seed produced without transplanting. Sakh.prom.
33 no.3:44-47 Mr '59. (MIRA 12:4)

1. Sovkhoz "Khutorok" Krasnodarskogo kraya.
(Sugar beets)

KAPAYEROV, P.G.

Mechanization of the harvesting of seed plants. Sakh. prom. 33
no.5:61-62 My '59. (MIRA 12:7)

1. Sovkhoz "Khutorok" Krasnodarskogo kraya.
(Krasnodar Territory--Sugar beets--Harvesting)

KARAYEROV, Panteleymon Georgiyevich, SHUTENKO, Ivan Antonovich,
eternalnyy rozhdayy sotr.; TETYUREVA, I.V., red.; GUREVICH,
M.M., tekhn. red.

[Method for growing sugar beet seeds without transplantation]
Bezvysadochnyi sposob vyrashchivaniia semian sakharoi svekly.
Moskva, Sel'khozizdat, 1962. 62 p. (MIRA 15:10)

1. Glavnnyy agronom ~~Novokubanskogo~~ N. A. Karayerova Novokubanskogo rayona
(for Karayerov).

(Krasnodar Territory—Sugar beets)
(Krasnodar Territory—Seed production)

KARAYEROV, P.G.

Accelerated production of seed. Zemledelie 25 no.10:28-29 0 '63.
(MIRA 16:11)

1. Glavnnyy agronom sveklovichnogo sovkhosa "Khutorok", Novokubanskogo proizvodstvennogo upravleniya.

KARAYEROV, Ye., inzh.; MOSHKOV, A., inzh.

Frequency characteristics of transistors. Radio no.12:44-45 D '62.
(Transistors) (MIRA 16:3)

KARAYEROVA, G.P.

RALL, Yu.M.; KARAYEROVA, G.P.

New data on the occurrence and the harmful activity of the
Jerboa Scirtopoda telum Licht. Zool. zhur. 33 no.5:1184-1185
S-0 '54.
(MIRA 7:11)

1. Rostovskiy gosudarstvennyy universitet im. V.M.Molotova.
(Rostov Province--Jerboas) (Jerboas--Rostov Province)

KARAYEV, A.

Pipes with welded joints. Izv.vys.ucheb.zav.; neft' i gaz 5 no.8:
78 '62. (MIRA 17:3)

KARAYEV, A. F.

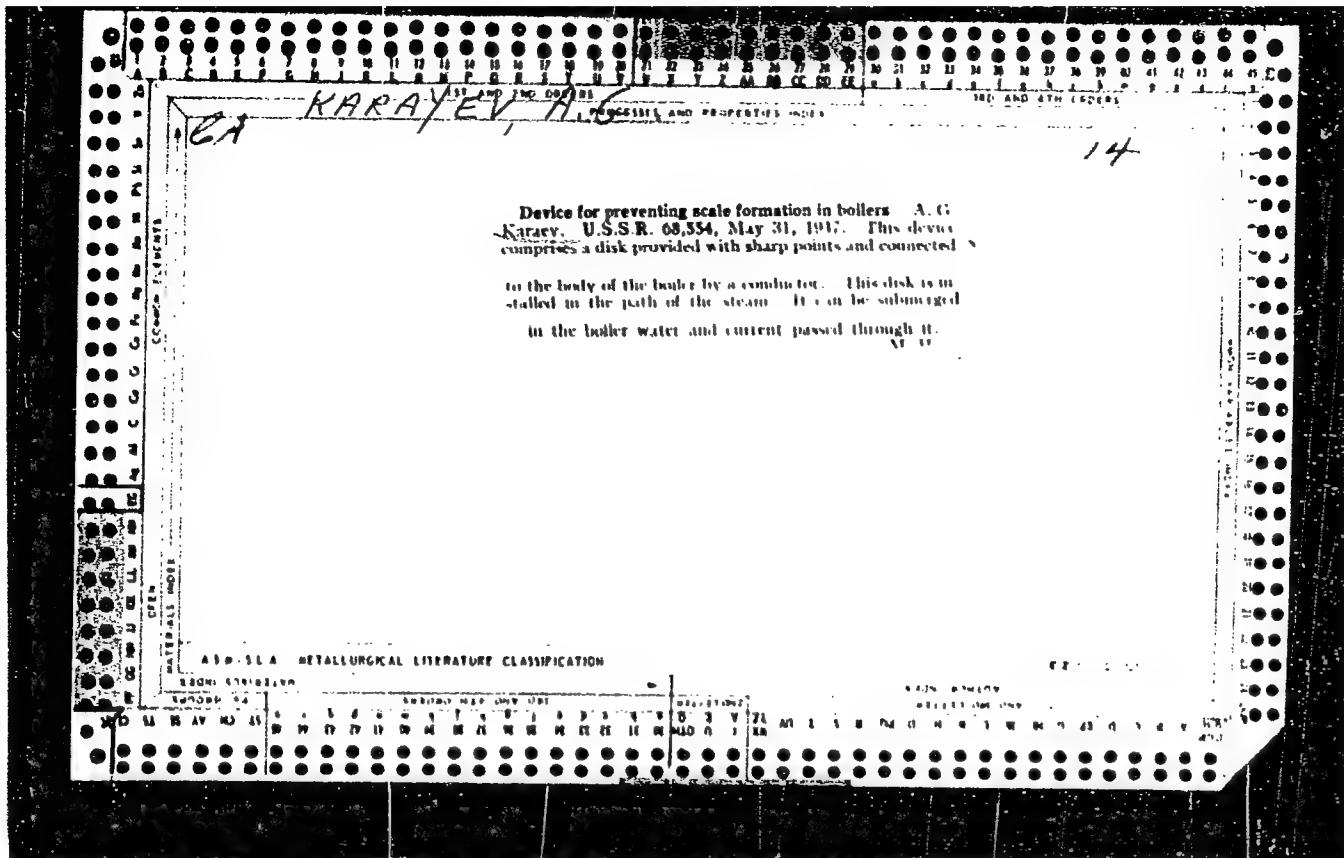
Karayev, A. F. "A survey of basic scientific work on pediatrics in the Azerbaijan SSR during the Soviet period," Trudy Azerbaydzh. nauch.-issled. in-ta okhrany materinstva i mladenchestva i pediatr. kafedr Azerbaydzh. med. in-ta, Baku, 1949, p. 3-26, (In Russian and Azerbaijani).

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

KARAYEV, A. F.

Karayev, A. F. "Epidemic hepatitis (infectious jaundice) in children," Trudy Azerbaydzh. nauch.-issled. in-ta okhrany materinstva i mladenchestva i pediatr. kafedr Azerbaydzh. med. in-ta, Baku, 1949, p. 42-51, (Resume in Azerbaijani).

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh State., No. 17, 1949).



MAKAYEV, A.G., Cand Tech Sci--(dies) "On the problem of measuring the
~~flow~~ ^{outflow} and drainage of water in irrigation channels." (A critical survey of
the ~~modern~~ ^{contemporary} state and new suggestions)." Tbilisi, 1958. 2 pp with charac-
tic drawings (Min of Agr USSR. Georgian Order of Labor Red Banner Agr
Inst), 100 copies (KL,26-58, 110)

-70-

CAKARAYEV

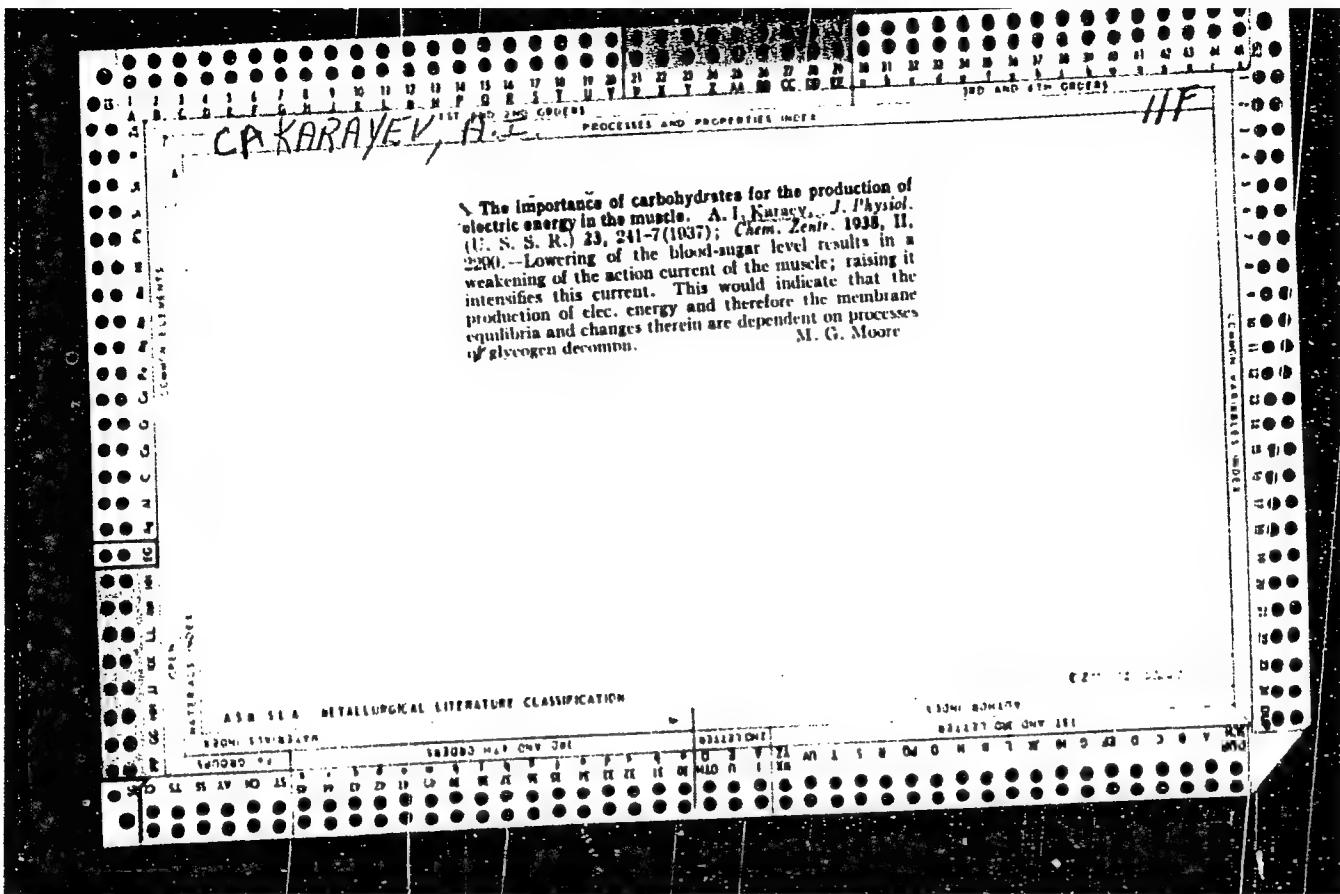
PROCESSES AND PROPERTIES

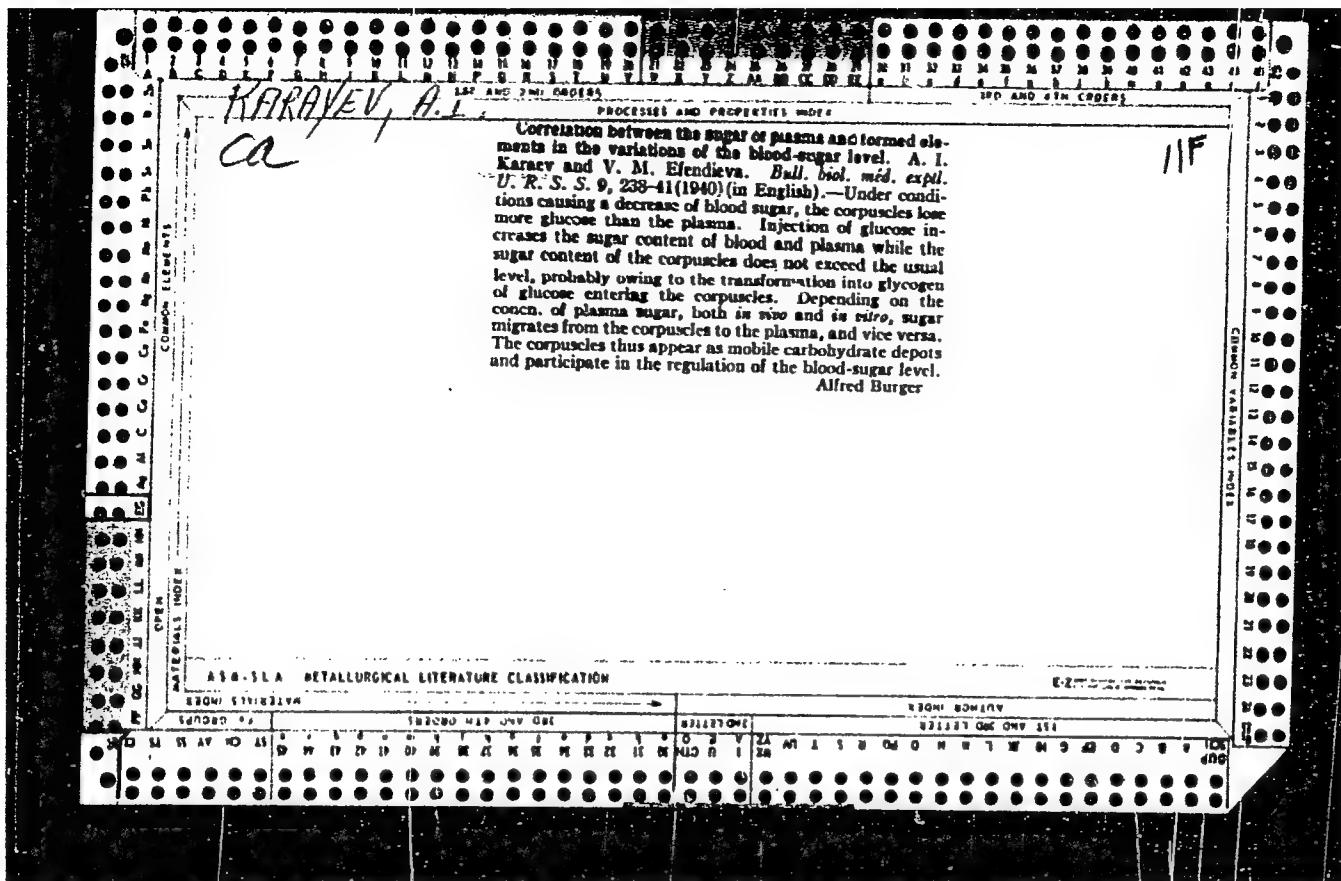
The influence of metabolic processes on muscle permeability. D. L. Kubinashit and A. I. Karavay. *Bull. biol. med. exp. U. R. S. S.* 4, 358-8 (1937) (in English).—The immersion of the sartorius muscle of the frog in 75% Ringer soln. (3 parts of a soln. contg. 0.65% NaCl, 0.02% KCl, 0.02% CaCl₂ and 0.02% NaHCO₃) dild. with 1 part of distd. H₂O contg. 0.001-0.05 M NaCN to depress the oxidative processes showed a 8-10% decrease in H₂O absorption over the controls. The muscles were removed from the solns., dried rapidly with filter paper and weighed immediately on a Bang balance for the absorption detns. Similar results were obtained in isotonic and hypertonic Ringer solns.; this is considered to be a change in the amt. of H₂O retained by the muscle rather than a change in muscle permeability. Immersion of the muscle in 30% Ringer soln. contg. 0.001-0.002 M CH₃BrCOONa to destroy the glycolytic processes causes an increase of 10-15% of H₂O absorbed. Urea is absorbed rapidly and muscle permeability is increased. The muscle becomes isotonic in H₂O absorbed. Urea as urea penetrates the muscle immersed in Ringer soln. contg. 3.06% of urea first lost H₂O owing to hypertonicity, but as the wt. of the muscle muscle the soln. becomes isotonic and the wt. of the muscle is rapidly restored, especially in muscles treated simultaneously with NaCN and CH₃BrCOONa. S. A. Karjalainen

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KARAYEV, A. I.

Karayev, A. I. and Aliyev, R. "On the mechanism of blood coagulation by preparations of the leaves of *Castanea sativa* Mill.", Trudy Azerbaydzh. gos. un-ta im. Kirova, Biol. seriya, Vol. III, Issue 3, 1948, p. 39-45, - Bibliog: 6 items.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

KARAYEV, A. I.

Karayev, A. I. and Odzhakhverdi-zade, S. "On the effect of various preparations of naphthalene oil on the restoration of the ability of the skeletal muscles to contract", Trudy azerbaydzh. gos. un-ta im. Kirova, Biol. Seriya, Vol. III, Issue 3, 1943, p. 3-8, - Bibliog: 5 items.

SO: U- 3042, 11 March 53, (letopis 'nykh Statey, No. 10, 1943).

KARAYEV, A. S.

Karayev, A. S. and Ilyin, V. N. "The effect of various salts on the coagulation of citrate plasma", Doklady (Akad. nauk Azerbaykhan. SSR), 1971, No. 12, p. 242-246, (Russian in Azerbaijani).

See: U-3261, 10 April 71, (Letonia) (Bureau! Inykh Stedj, No. 12, 1970).

and healing properties of synthetic crystal material A (Keratex) and B (Keravive) (Dow Corning Co., Midland, Mich.) were evaluated in 100 Sprague-Dawley rats (DSJ) No. 1007. The healing properties of keratex and keravive were evaluated in a 20% (w/v) solution in 70% (v/v) ethanol. The animals were divided into 4 groups, one group was a control group of the substances, yet to be determined, the 2% (w/v) petroleum gauze, and a daily, while the control group was treated with petroleum gauze, 100% (w/v) ethanol, the healing of the 10 day animal skin for the control group, treatment of the animals treated with the synthetic crystal materials, keravive, and keratex, and the control group.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720630006-7"

KARAEV, A.

USSR

The regenerative effect of Ringer solution without potassium ions on the cardiac activity affected by poisoning with thiol compounds. A. I. Karayev and I. A. Tsvyul'. Doklady Akad. Nauk. SSSR, 90, No. 3, 173-6 (1953). Dokl. Akad. Nauk. SSSR, 90, No. 3, 173-6 (1953). A. I. Karayev and I. A. Tsvyul'. Dokl. Akad. Nauk. SSSR, 90, No. 3, 173-6 (1953). A rhythmic spontaneous beating of the isolated frog heart and ventricle, affected by the excess current, strongly depressed by the addition of $CaCl_2$ soln. ($10^{-4}M$), were restored by the perfusion of Ringer soln. contg. no salts of X. Wierbicki

KARAEV, A.
KARAEV, A.I.

✓ *Interoceptors and metabolism. II. The importance of the blood sugar level to the regulating function of interoceptors on the skeletal musculature.* A. I. Karuev and A. A. Loginov. *Doklady Akad. Nauk Azerbaidzhan. S.S.R.* 9, No. 6, 343-7 (1953) (in Russian); *cf. C.A.* 49, 14993a. — The peripheral part of the femoral nerve was electrically stimulated and the contractions of tibialis anterior (TA) recorded. Studies were made of the effect of stimulation of the interoceptors of the urinary bladder (UB) on TA under normal conditions and in hypoglycemia (HG). In 10 cases, stimulation of UB in normal animals depressed the TA contractions. In light or medium HG in 8 cases stimulation of UB enhanced the TA contractions, depressed them in 3 and produced no effects in 4 cases. In high HG the TA contractions were completely depressed. III. The effect of stimulation of the chemoreceptors of the intestines on the skeletal musculature in the presence of low blood sugar. *Ibid.* No. 11, 683-8. — Twelve cats were used in the study of the effect of acetylcholine stimulation of the intestinal chemoreceptors on the skeletal musculature in the presence of insulin-produced HG. In HG, actuating TA reactions occurred in 4 and thigh muscle reactions in 6 instances. Within 1 hr. after the insulin administration the reactions became fixed. The time of appearance of actuating muscle reactions depends not so much upon the degree of HG as upon the rate at which the blood sugar is reduced. The chemoreceptors of the small intestine do not constitute the basic seat of visceromotor reflexes. Through *Refresher. Zhar. Khim., Biol. Khim.* 1955, No. 1417, No. 1418.

B. S. Levine

(1)

KARAEV, A. I., SHANOV, I. V.

"Changes in the Phagocytic Properties of Leukocytes in Stored Blood"
Dokl. Akad. Nauk. SSSR, 1961, 9, no 7, pp 41-422

The effect of glucose on the viability (phagocytosis) of leukocytes at various times of blood storage was studied on the first, 4th, 10th, and 20th days of storage. A dead *staphylococcus* culture mixture was added to the mixture incubated in the thermostat. Without glucose the phagocytic capacity of the leukocytes declined beginning with the first day but more sharply during the following 10 to 15 days. On the 20th day nearly all the leukocytes had been destroyed. When glucose was added the phagocytic capacity of the leukocytes declined less and in two cases a large number of leukocytes could still be found on the 20th day. (Zh. Biol., no 2, 1961)

SO: Stan. 402 18 May 65

KARAYEV, A.I.

"Interoreceptors and Metabolism," Izv. Akad. Nauk. SSSR, No. 17, 1973, 10-116

Reviews of the theoretical basis and the experimental results in the problem of interoreceptors and metabolism. Twenty references. (in Russian, No. 17, 1973)

Sk : Sum. No. 536, 10 Jun 55

KARAYEV, A.I.; ODEZHAKHVERDIZADE, S.R.

Effect of irritation of the chemoreceptors of the small intestine on
the urine secreting functions of the kidneys. Izv. AN Azerb. SSR no.
5:131-136 My '54. (MIRA 8:6)
(Receptors (Neurology)) (Urine--Secretion)

KARAEV, A.I.
KARAEV, A.I.

*✓ The chemical composition and laxative action of seeds of *Silibum marianum* of Azerbaijani variety. A. I. Kariev, R. K. Aliev, and A. Kh. Rakhimova. *Invest. Akad. Nauk Azerbaidzhan. S.S.R.* 1954, No. 6, 71-5. The seeds of *Silibum marianum* of local origin were studied as to the chem. compn. and physiol. action. The seeds contain alkaloids (0.04-0.06%), saponin (hemolytic index 1:150), bitter substances (bitterness indicator 1:250), amino acids (tyramine), carbohydrates (before hydrolysis 0.7%, after hydrolysis 1.1%), mucilage, oil (31.46%), tarry substances (2.98%), org. acids (1.15%), vitamins (C traces, K 0.15 mg/%). The physiol. activity of preps. from seeds was studied on isolated and nonisolated small intestines and on intact exppt. animals (cats). Aq. ext., decoction, and liquid alc. ext. of seeds increase the peristalsis of the small intestine, alc. ext. being the most effective. The galenic prep., and the oil from seeds have a mild laxative action. The toxicity was studied on white mice (10-18 g.) by intramuscular administration of 1 ml. of the prep. every second day during one week. The galenic prep., 10-20% aq. infusion and decoction, and alc. ext. did not have any toxic effect in the amt. used.*

A. Shadan

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KARAYEV, A. I.; SAFAROV, R. I.

Effect of stimulation of the interoceptors of the womb on the
activity of the posterior lobe of the hypophysis. Izv. AN
Azerb. SSR no.8:115-121 Ag'54. (MLRA 8:11)
(Receptors (Neurology))

Karayev, A.I.

KASHKAY, M.A.; KARAYEV, A.I.; ALIYEV, R.K.

Results of the conference for study of the Shushi Health Resort and
Turshsu and Shirvan mineral waters held in the Republic. Izv. AN
Azerb. SSR no.8:141-144 Ag'54. (MIRA 8:11)
(Azerbaijan--Health resorts, watering places, etc.)

KARAEV, A.
KARAEV, A.I.

✓Action of various preparations of the ripe fruit of the sumac on the tolerance of the organism to carbohydrates. A. I. Karayev, R. K. Aliev, G. Guseinov, and G. Gasanov. Izdat. Akad. Nauk Azerbaidzhana, S.S.R. 1954, No. 9, 47-57 (in Russian); cf. C.A. 50, 4007.—Glucose tolerance of rabbits was detd. by detn. of blood sugar before and every 30 min. for 3 hr. after ingestion of glucose meal with and without (control) admln. oral ingestion of one of the following sumac exts.: 10% aq. ext. of pericarp; 10% aq. ext. of seeds; aq. ext. of ripe fruit; aq. ext. of pericarp; aq. ext. of seeds; oil from seeds; also tried wax 1.2% soln. of tartaric acid. Greatest reduction in blood sugar was caused by aq. ext. of ripe sumac fruit (1). Tried on human patients with diabetes of varying severity at a dose of 40 drops 5 times daily; it reduced total daily diuresis in severe and moderate diabetes without changing blood or urine sugar levels or glycosuria; in mild diabetes it reduced blood and urine sugar, diuresis and sp. gr. of urine. Claim is made that it can control completely mild cases of diabetes and reduce insulin requirement in moderate and severe cases.

Cyrus C. Sturgis, Jr.

MD

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KARAYEV, A.I.; AYVAZYAN, A.A.

Interoceptors and metabolism. Izv. AN Azerb. SSR no.10:39-49 O '54.
(Receptors (Neurology)) (Metabolism) (MIR 8:11)

KARAYEV, A.I.; KASUMOV, R.Yu.

Effect of irritation of interoceptors of the rectum and urinary
bladder on the glycogen content of the blood. Dokl.Azerb.SSR
10 no.1:51-55 '54.
(Glycogen) (Receptors (Neurology)) (Blood--Analysis and
chemistry)

small. Only a few
millions of dollars
are required to
start a new
factory. An
initial cost of
about \$100,000
will be required
to obtain
machines, tools
and fixtures. An
initial stock of
material will be
needed, but
will not be
so large as
to require
a large
initial outlay.

REMEMBER

KARAYEV, A.

Changes of the carbohydrate tolerance of organism during the parallel administration of an aqueous extract of ripe fruits of sumac. A. I. Karayev, R. K. Aliev, G. A. Gulyamov, and G. Gasanov. *Doklady Akad. Nauk SSSR*, 10, No. 3, 189-90 (1954); *Referat Zauz. Khim.*, 1954, No. 42410.—Ripe fruits of sumac, *Rhus coriaria*, contain different alkaloids, tannins, sugars, lipides, resins, essential oils, org. acids, and vitamin C. A 10% aq. ext. of the fruits was fed to exptl. rabbits during 10 days in the amt. of 5 ml. ext./kg. body wt., followed by the daily detn. of the blood sugar (I). The animals received 20% glucose (II) soln. before and after the 5th and 10th addn. of the ext., and 10 days following the ext. addn., resp.; in the amt. of 3 g. II/kg. body wt. At the 5th day following the admin. of sumac ext. the amt. of I in blood decreased 17-53 mg. %. The tolerance of the organism toward II increased, and the effect was still noticed 10 days after the ext. addn. The assimilation of sugar is greater when II is supplied together with the sumac ext. B. Wierblek

MD

(3)

KARAYEV, A.I.; MAMEDOV, A.M.

Effect of stimulation of the interoceptors of the bladder and rectum
on intramuscular pressure. Dokl. AN Azerb. SSR 10 no.4:297-304 '54.
(Receptors (Neurology)) (MIRA 8:4)

KARAYEV, A.I.; ALIYEV, R.K.; ALLAKHVERDIREKOV, G.B.

Effect of Turshsu mineral water on the cardiovascular system. Dokl.
AN Azerb.SSR 10 no.5:361-367 '54. (MIRA 8:4)
(Shusha—Mineral waters)

KARAYEV, A.I.; GASANOV, G.

Interoceptors and metabolism. Dokl. AN Azerb. SSR 10 no.8:589-
593 '54.
(MLRA 8:10)

1. Institut zoologii Akademii nauk Azerbaydzhanskoy SSR.
(Receptors (Neurology)) (Metabolism)

KARAYEV, A.I.

KARAYEV, A.I.; GUSEYNOVA, B.F.

Effect of stimulation of gastric and hepatic interoceptors on ciliary movement. Biul. eksp.biol. i med. 38 no.12:7-9 D '54. (MLRA 8:3)

1. Iz kafedry fiziologii cheloveka i zhivotnykh Azerbaydzhanskogo Gosudarstvennogo universiteta imeni S.M.Kirova, Baku.

(ESOPHAGUS, physiology,

eff. of liver & stomach stimulation on ciliary movement in frogs)

(STOMACH, physiology,

eff. of stimulation on esophageal ciliary movement in frogs)

(LIVER, physiology,

eff. of stimulation on esophageal ciliary movement in frogs)

KARAYEV, A.I., professor; AYVAKYAN, L.A.; KASINOV, R.Yu.

Effect of the stimulation of chemoreceptors of the spleen on the
sugar content of blood. Uch.zap.AGU no.1:67-73 '55. (MLR 9:11)
(SPLEEN--INNERVATION)
(BLOOD SUGAR)

KARAYEV, A. I.

MD

✓ Chemical composition of *Erythrum sanguineum* from Azerbaijan, and the effect of galenical preparations of it on the cardiovascular system. A. I. Karayev, R. K. Aliev, M. A. Kasumov, and P. A. Yuzbashishkaya. *Izv. Akad. Nauk Azerbaiszhan. S.S.R.* 1955, No. 3, 64-77 (in Russian). — *E. sanguineum* contains alkaloids, glycosides, bitter principles, tannins, pigments, sugars, fatty resinous substances, organic acids, and vitamin C, but no other vitamins. Aq. and alc. exts. of it are $\frac{1}{4}$ to $\frac{1}{2}$ as toxic as strophanthin and the difference between therapeutic and toxic doses of exts. of *E. sanguineum* is very great. Action of aq. exts. of *E. sanguineum* on the heart and blood pressure is similar to that of strophanthin.

Cyrus C. Sturge, Jr.

KARAYEV, A.I.; BABAYEV, A.Z.

Effect of stimulation of the interoceptors of the rectum and bladder
on the peroxidase activity of the blood. Izv. AN Azerb. SSR no.4:49-
54 Ap '55. (MIRA 8:6)
(Peroxidases) (Receptors (Neurology))

KARAYEV, A.I.; BABAYEV, A.Z.; KRAVETS, I.L.

Effect of irritation of receptors of the rectum on the activity
of carbonic anhydrase of the blood. Izv.AN Azerb.SSR no.5:43-50
My '55. (MLRA 9:5)
(RECEPTORS (NEUROLOGY)) (CARBONIC ANHYDRASE) (BLOOD)

KARAYEV, A.I.; ODZHAKHVERDIYEVA, S.R.

Effect of stimulation of the portal vein on the blood sugar level [in Azerbaijani with summary in Russian]. Izv. AN Azerb. SSR no.7:111-121 Jl '55. (MLRA 9:1)

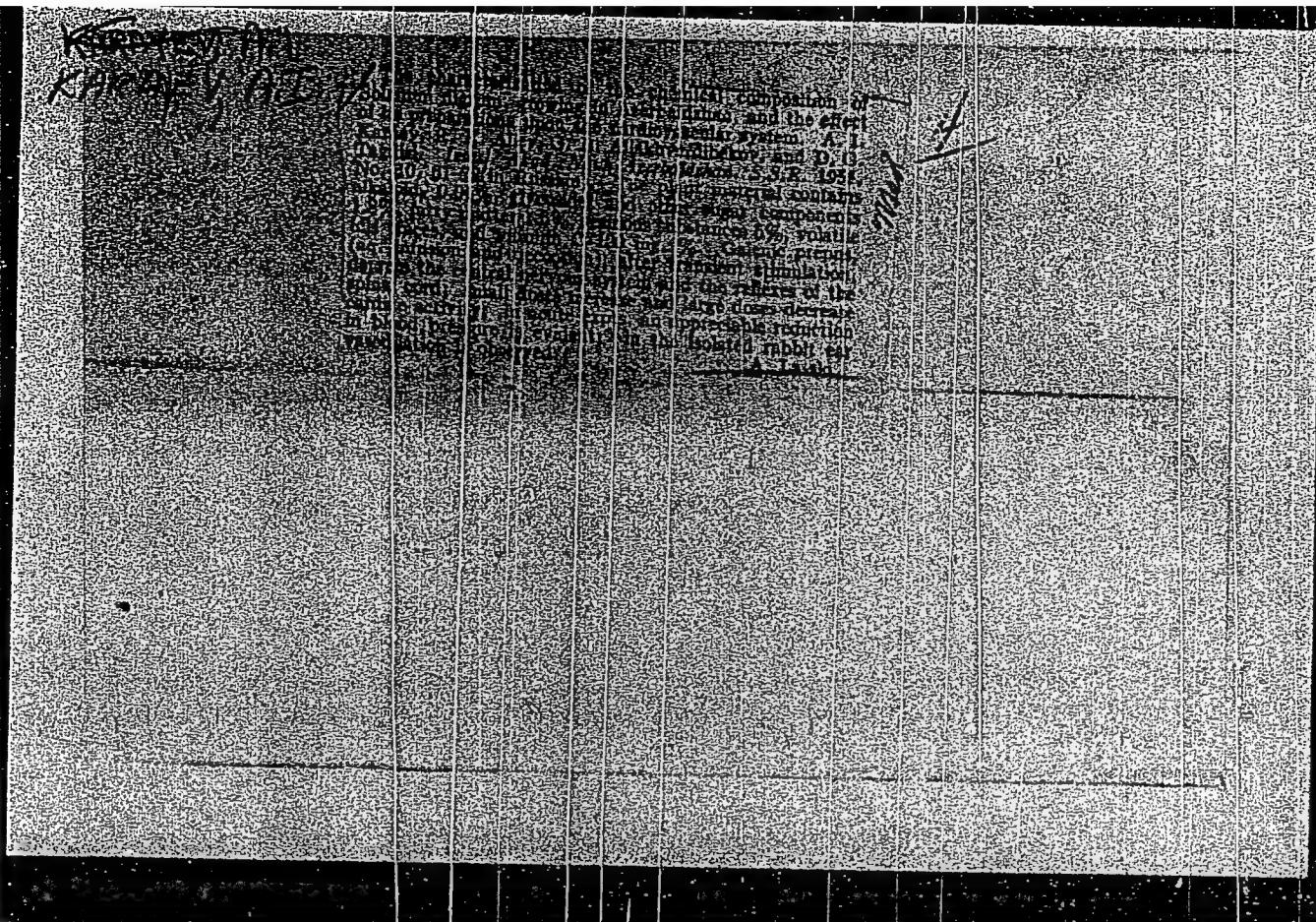
(Receptors (Neurology)) (Blood sugar)

KARAYEV, A.I.; ALIYEV, R.K.; GUSEYNOW, G.A.; GASANOV, G.

Effect of extracts from certain plants in Azerbaijan on carbohydrate tolerance of the organism. Izv.AN Azerb.SSR. no.9:63-72 S '55.
(MLRA 9:1)
(Azerbaijan--Botany, Medical)

"APPROVED FOR RELEASE: 06/13/2000

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720630006-7"

The chemical composition of the poly-hedge-horn (1) and white (2) contraineines is given in Table I. The compounds are the derivatives of the same acids, i.e., 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999, 1001, 1003, 1005, 1007, 1009, 1011, 1013, 1015, 1017, 1019, 1021, 1023, 1025, 1027, 1029, 1031, 1033, 1035, 1037, 1039, 1041, 1043, 1045, 1047, 1049, 1051, 1053, 1055, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1131, 1133, 1135, 1137, 1139, 1141, 1143, 1145, 1147, 1149, 1151, 1153, 1155, 1157, 1159, 1161, 1163, 1165, 1167, 1169, 1171, 1173, 1175, 1177, 1179, 1181, 1183, 1185, 1187, 1189, 1191, 1193, 1195, 1197, 1199, 1201, 1203, 1205, 1207, 1209, 1211, 1213, 1215, 1217, 1219, 1221, 1223, 1225, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245, 1247, 1249, 1251, 1253, 1255, 1257, 1259, 1261, 1263, 1265, 1267, 1269, 1271, 1273, 1275, 1277, 1279, 1281, 1283, 1285, 1287, 1289, 1291, 1293, 1295, 1297, 1299, 1301, 1303, 1305, 1307, 1309, 1311, 1313, 1315, 1317, 1319, 1321, 1323, 1325, 1327, 1329, 1331, 1333, 1335, 1337, 1339, 1341, 1343, 1345, 1347, 1349, 1351, 1353, 1355, 1357, 1359, 1361, 1363, 1365, 1367, 1369, 1371, 1373, 1375, 1377, 1379, 1381, 1383, 1385, 1387, 1389, 1391, 1393, 1395, 1397, 1399, 1401, 1403, 1405, 1407, 1409, 1411, 1413, 1415, 1417, 1419, 1421, 1423, 1425, 1427, 1429, 1431, 1433, 1435, 1437, 1439, 1441, 1443, 1445, 1447, 1449, 1451, 1453, 1455, 1457, 1459, 1461, 1463, 1465, 1467, 1469, 1471, 1473, 1475, 1477, 1479, 1481, 1483, 1485, 1487, 1489, 1491, 1493, 1495, 1497, 1499, 1501, 1503, 1505, 1507, 1509, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 1535, 1537, 1539, 1541, 1543, 1545, 1547, 1549, 1551, 1553, 1555, 1557, 1559, 1561, 1563, 1565, 1567, 1569, 1571, 1573, 1575, 1577, 1579, 1581, 1583, 1585, 1587, 1589, 1591, 1593, 1595, 1597, 1599, 1601, 1603, 1605, 1607, 1609, 1611, 1613, 1615, 1617, 1619, 1621, 1623, 1625, 1627, 1629, 1631, 1633, 1635, 1637, 1639, 1641, 1643, 1645, 1647, 1649, 1651, 1653, 1655, 1657, 1659, 1661, 1663, 1665, 1667, 1669, 1671, 1673, 1675, 1677, 1679, 1681, 1683, 1685, 1687, 1689, 1691, 1693, 1695, 1697, 1699, 1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747, 1749, 1751, 1753, 1755, 1757, 1759, 1761, 1763, 1765, 1767, 1769, 1771, 1773, 1775, 1777, 1779, 1781, 1783, 1785, 1787, 1789, 1791, 1793, 1795, 1797, 1799, 1801, 1803, 1805, 1807, 1809, 1811, 1813, 1815, 1817, 1819, 1821, 1823, 1825, 1827, 1829, 1831, 1833, 1835, 1837, 1839, 1841, 1843, 1845, 1847, 1849, 1851, 1853, 1855, 1857, 1859, 1861, 1863, 1865, 1867, 1869, 1871, 1873, 1875, 1877, 1879, 1881, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1899, 1901, 1903, 1905, 1907, 1909, 1911, 1913, 1915, 1917, 1919, 1921, 1923, 1925, 1927, 1929, 1931, 1933, 1935, 1937, 1939, 1941, 1943, 1945, 1947, 1949, 1951, 1953, 1955, 1957, 1959, 1961, 1963, 1965, 1967, 1969, 1971, 1973, 1975, 1977, 1979, 1981, 1983, 1985, 1987, 1989, 1991, 1993, 1995, 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, 2021, 2023, 2025, 2027, 2029, 2031, 2033, 2035, 2037, 2039, 2041, 2043, 2045, 2047, 2049, 2051, 2053, 2055, 2057, 2059, 2061, 2063, 2065, 2067, 2069, 2071, 2073, 2075, 2077, 2079, 2081, 2083, 2085, 2087, 2089, 2091, 2093, 2095, 2097, 2099, 2101, 2103, 2105, 2107, 2109, 2111, 2113, 2115, 2117, 2119, 2121, 2123, 2125, 2127, 2129, 2131, 2133, 2135, 2137, 2139, 2141, 2143, 2145, 2147, 2149, 2151, 2153, 2155, 2157, 2159, 2161, 2163, 2165, 2167, 2169, 2171, 2173, 2175, 2177, 2179, 2181, 2183, 2185, 2187, 2189, 2191, 2193, 2195, 2197, 2199, 2201, 2203, 2205, 2207, 2209, 2211, 2213, 2215, 2217, 2219, 2221, 2223, 2225, 2227, 2229, 2231, 2233, 2235, 2237, 2239, 2241, 2243, 2245, 2247, 2249, 2251, 2253, 2255, 2257, 2259, 2261, 2263, 2265, 2267, 2269, 2271, 2273, 2275, 2277, 2279, 2281, 2283, 2285, 2287, 2289, 2291, 2293, 2295, 2297, 2299, 2301, 2303, 2305, 2307, 2309, 2311, 2313, 2315, 2317, 2319, 2321, 2323, 2325, 2327, 2329, 2331, 2333, 2335, 2337, 2339, 2341, 2343, 2345, 2347, 2349, 2351, 2353, 2355, 2357, 2359, 2361, 2363, 2365, 2367, 2369, 2371, 2373, 2375, 2377, 2379, 2381, 2383, 2385, 2387, 2389, 2391, 2393, 2395, 2397, 2399, 2401, 2403, 2405, 2407, 2409, 2411, 2413, 2415, 2417, 2419, 2421, 2423, 2425, 2427, 2429, 2431, 2433, 2435, 2437, 2439, 2441, 2443, 2445, 2447, 2449, 2451, 2453, 2455, 2457, 2459, 2461, 2463, 2465, 2467, 2469, 2471, 2473, 2475, 2477, 2479, 2481, 2483, 2485, 2487, 2489, 2491, 2493, 2495, 2497, 2499, 2501, 2503, 2505, 2507, 2509, 2511, 2513, 2515, 2517, 2519, 2521, 2523, 2525, 2527, 2529, 2531, 2533, 2535, 2537, 2539, 2541, 2543, 2545, 2547, 2549, 2551, 2553, 2555, 2557, 2559, 2561, 2563, 2565, 2567, 2569, 2571, 2573, 2575, 2577, 2579, 2581, 2583, 2585, 2587, 2589, 2591, 2593, 2595, 2597, 2599, 2601, 2603, 2605, 2607, 2609, 2611, 2613, 2615, 2617, 2619, 2621, 2623, 2625, 2627, 2629, 2631, 2633, 2635, 2637, 2639, 2641, 2643, 2645, 2647, 2649, 2651, 2653, 2655, 2657, 2659, 2661, 2663, 2665, 2667, 2669, 2671, 2673, 2675, 2677, 2679, 2681, 2683, 2685, 2687, 2689, 2691, 2693, 2695, 2697, 2699, 2701, 2703, 2705, 2707, 2709, 2711, 2713, 2715, 2717, 2719, 2721, 2723, 2725, 2727, 2729, 2731, 2733, 2735, 2737, 2739, 2741, 2743, 2745, 2747, 2749, 2751, 2753, 2755, 2757, 2759, 2761, 2763, 2765, 2767, 2769, 2771, 2773, 2775, 2777, 2779, 2781, 2783, 2785, 2787, 2789, 2791, 2793, 2795, 2797, 2799, 2801, 2803, 2805, 2807, 2809, 2811, 2813, 2815, 2817, 2819, 2821, 2823, 2825, 2827, 2829, 2831, 2833, 2835, 2837, 2839, 2841, 2843, 2845, 2847, 2849, 2851, 2853, 2855, 2857, 2859, 2861, 2863, 2865, 2867, 2869, 2871, 2873, 2875, 2877, 2879, 2881, 2883, 2885, 2887, 2889, 2891, 2893, 2895, 2897, 2899, 2901, 2903, 2905, 2907, 2909, 2911, 2913, 2915, 2917, 2919, 2921, 2923, 2925, 2927, 2929, 2931, 2933, 2935, 2937, 2939, 2941, 2943, 2945, 2947, 2949, 2951, 2953, 2955, 2957, 2959, 2961, 2963, 2965, 2967, 2969, 2971, 2973, 2975, 2977, 2979, 2981, 2983, 2985, 2987, 2989, 2991, 2993, 2995, 2997, 2999, 3001, 3003, 3005, 3007, 3009, 3011, 3013, 3015, 3017, 3019, 3021, 3023, 3025, 3027, 3029, 3031, 3033, 3035, 3037, 3039, 3041, 3043, 3045, 3047, 3049, 3051, 3053, 3055, 3057, 3059, 3061, 3063, 3065, 3067, 3069, 3071, 3073, 3075, 3077, 3079, 3081, 3083, 3085, 3087, 3089, 3091, 3093, 3095, 3097, 3099, 3101, 3103, 3105, 3107, 3109, 3111, 3113, 3115, 3117, 3119, 3121, 3123, 3125, 3127, 3129, 3131, 3133, 3135, 3137, 3139, 3141, 3143, 3145, 3147, 3149, 3151, 3153, 3155, 3157, 3159, 3161, 3163, 3165, 3167, 3169, 3171, 3173, 3175, 3177, 3179, 3181, 3183, 3185, 3187, 3189, 3191, 3193, 3195, 3197, 3199, 3201, 3203, 3205, 3207, 3209, 3211, 3213, 3215, 3217, 3219, 3221, 3223, 3225, 3227, 3229, 3231, 3233, 3235, 3237, 3239, 3241, 3243, 3245, 3247, 3249, 3251, 3253, 3255, 3257, 3259, 3261, 3263, 3265, 3267, 3269, 3271, 3273, 3275, 3277, 3279, 3281, 3283, 3285, 3287, 3289, 3291, 3293, 3295, 3297, 3299, 3301, 3303, 3305, 3307, 3309, 3311, 3313, 3315, 3317, 3319, 3321, 3323, 3325, 3327, 3329, 3331, 3333, 3335, 3337, 3339, 3341, 3343, 3345, 3347, 3349, 3351, 3353, 3355, 3357, 3359, 3361, 3363, 3365, 3367, 3369, 3371, 3373, 3375, 3377, 3379, 3381, 3383, 3385, 3387, 3389, 3391, 3393, 3395, 3397, 3399, 3401, 3403, 3405, 3407, 3409, 3411, 3413, 3415, 3417, 3419, 3421, 3423, 3425, 3427, 3429, 3431, 3433, 3435, 3437, 3439, 3441, 3443, 3445, 3447, 3449, 3451, 3453, 3455, 3457, 3459, 3461, 3463, 3465, 3467, 3469, 3471, 3473, 3475, 3477, 3479, 3481, 3483, 3485, 3487, 3489, 3491, 3493, 3495, 3497, 3499, 3501, 3503, 3505, 3507, 3509, 3511, 3513, 3515, 3517, 3519, 3521, 3523, 3525, 3527, 3529, 3531, 3533, 3535, 3537, 3539, 3541, 3543, 3545, 3547, 3549, 3551, 3553, 3555, 3557, 3559, 3561, 3563, 3565, 3567, 3569, 3571, 3573, 3575, 3577, 3579, 3581, 3583, 3585, 3587, 3589, 3591, 3593, 3595, 3597, 3599, 3601, 3603, 3605, 3607, 3609, 3611, 3613, 3615, 3617, 3619, 3621, 3623, 3625, 3627, 3629, 3631, 3633, 3635, 3637, 3639, 3641, 3643, 3645, 3647, 3649, 3651, 3653, 3655, 3657, 3659, 3661, 3663, 3665, 3667, 3669, 3671, 3673, 3675, 3677, 3679, 3681, 3683, 3685, 3687, 3689, 3691, 3693, 3695, 3697, 3699, 3701, 3703, 3705, 3707, 3709, 3711, 3713, 3715, 3717, 3719, 3721, 3723, 3725, 3727, 3729, 3731, 3733, 3735, 3737, 3739, 3741, 3743, 3745, 3747, 3749, 3751, 3753, 3755, 3757, 3759, 3761, 3763, 3765, 3767, 3769, 3771, 3773, 3775, 3777, 3779, 3781, 3783, 3785, 3787, 3789, 3791, 3793, 3795, 3797, 3799, 3801, 3803, 3805, 3807, 3809, 3811, 3813, 3815, 3817, 3819, 3821, 3823, 3825, 3827, 3829, 3831, 3833, 3835, 3837, 3839, 3841, 3843, 3845, 3847, 3849, 3851, 3853, 3855, 3857, 3859, 3861, 3863, 3865, 3867, 3869, 3871, 3873, 3875, 3877, 3879, 3881, 3883, 3885, 3887, 3889, 3891, 3893, 3895, 3897, 3899, 3901, 3903, 3905, 3907, 3909, 3911, 3913, 3915, 3917, 3919, 3921, 3923, 3925, 3927, 3929, 3931, 3933, 3935, 3937, 3939, 3941, 3943, 3945, 3947, 3949, 3951, 3953, 3955, 3957, 3959, 3961, 3963, 3965, 3967, 3969, 3971, 3973, 3975, 3977, 3979, 3981, 3983, 3985, 3987, 3989, 3991, 3993, 3995, 3997, 3999, 4001, 4003, 4005, 4007, 4009, 4011, 4013, 4015, 4017, 4019, 4021, 4023, 4025, 4027, 4029, 4031, 4033, 4035, 4037, 4039, 4041, 4043, 4045, 4047, 4049, 4051, 4053, 4055, 4057, 4059, 4061, 4063, 4065, 4067, 4069, 4071, 4073, 4075, 4077, 4079, 4081, 4083, 4085, 4087, 4089, 4091, 4093, 4095, 4097, 4099, 4101, 4103, 4105, 4107, 4109, 4111, 4113, 4115, 4117, 4119, 4121, 4123, 4125, 4127, 4129, 4131, 4133, 4135, 4137, 4139, 4141, 4143, 4145, 4147, 4149, 4151, 4153, 4155, 4157, 4159, 4161, 4163, 4165, 4167, 4169, 4171, 4173, 4175, 4177, 4179, 4181, 4183, 4185, 4187, 4189, 4191, 4193, 4195, 4197, 4199, 4201, 4203, 4205, 4207, 4209, 4211, 4213, 4215, 4217, 4219, 4221, 4223, 4225, 4227, 4229, 4231, 4233, 4235, 4237, 4239, 4241, 4243, 4245, 4247, 4249, 4251, 4253, 4255, 4257, 4259, 4261, 4263, 4265, 4267, 4269, 4271, 4273, 4275, 4277, 4279, 4281, 4283, 4285, 4287, 4289, 4

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KARAYEV, A. I.

✓ Interoceptors and metabolism. XXX. Effect of stimulation of chemoreceptors of the uterus on blood sugar content. A. I. Karayev and G. A. Guseinov. *Doklady Akad. Nauk Azerbaidzhan's S.S.R.* 11, No. 4, 285-92 (1956) (in Russian; Azerbaijani summary, 202-4). c. C.A. 50, 6121c. — Stimulation of the chemoreceptors of the uterus with acetylcholine increases the blood sugar by some 500%; stimulation with 0.01% glucose gives a slight sugar level increase as does that with 0.4% glucose. Stimulation with adrenaline greatly increases the blood sugar level. Pre-treatment with proprine blocks the action of acetylcholine and adrenaline (c. C.A. 49, 14903a) (see also C. M. K.).

MD(1)

KARAYEV, A.I.; ALIYEV, R.K.; YUZBASHINSKAYA, P.A.

Characteristics of the chemical composition of alhagi roots
growing in Azerbaijan, and the effect of their extract on
bile secretion. Dokl.AN Azerb.SSR. 11 no.5:359-364 '55.
(AZERBAIJAN--BOTANY, MEDICAL) (BILE) (MIRA 9:6)

7783. Duration of 250 msec to activity of motoneurones in hypospadias in experimental animals. V. A. Novikov, T. D. Gal'yan, and S. R. Rakhmanov. *Usp. Sov. Nauk. po Meditsine*, 1955, No. 5, p. 133-135. (USSR) 1955, No. 74450. In the experiments on the duration of the latent period of motoneurone activation, it is significantly reduced in the presence of a condition of heightened excitability in cat and experimental animals. Hypospadias is produced by the stimulation of the penile nerve by an induction current in anesthetized animals and humans by daily 2-min. stimulation with a cathodic and anodic current. In hypospadias and normal subjects the duration of the latent period of motoneurone activation to the same stimulus is similarly prolonged. V. I. Vlasov.

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720630006-7"

KARAYEV, A.I.; ALIYEV, R.K.

Chemical composition of the flowers of everlasting (Helichrysum plicatum) grown in Azerbaijan and the effect of preparations from them on the coagulability of blood. Dekl.AN Azerb.SSR 11 no.7:483-490 Jl '55. (MLRA 9:1)
(Azerbaijan--Everlasting flowers) (Blood--Coagulation)

KARAYEV, A.I.

USSR/General Biology. General Physiology. Biochemistry. Biophysics. B-1

Abs Jour: Ref. Zh.-Biol., No 9, 1957, 35028

Author : Karayev, A.I., Aivazian, L.A.

Inst :

Title : The Significance of the Sulfhydryl Groups in the Activity of the Ciliate Epithelium

Orig Pub: Dokl. AN AzerbSSR, 1955, 11, No 10, 717-722

Abstract: In reaction to thiol poison, CdCl₂, in a physiological solution, concentration 1:2000, the movement of the ciliate epithelium (CE) of the esophagus of frogs quickens, then after 20 minutes slows down to 30-50%; in a concentration of 1:1000 a sharp slowing down (50 to 80%) takes place without the preliminary quickening. CdCl₂ in the solution of Ringer acts almost the same at a concentration of 1:2000 as at a concentration of 1:1000 in a physiological solution, which strengthens the activity of CE; the preliminary excitement of CE is absent. In reaction to a 0.5% solu-

Card : 1/2

-3-

KARAYEV A. I.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71105

Author : Karayev

Title : Unconditioned Metabolic Reflexes of the Bladder Receptors.

Orig Pub : Tr. in-ta, zool. AN AzSSR, 1955, 18, 5-16

Abstract : In anesthetized cats irritation of the mechanocenters (by inflation in normal blood circulation and in perfusion) and chemoreceptors (solution of acetylcholine 1:1000 in perfusion) of the bladder produced a diphasic effect: the quantity of sugar in the blood initially increased to 10-20% (sometimes to 40% and more) of the base quantity; 15 min. after the end of irritation it began to go down and in 10-40 min (sometimes 55 min.) after reaching a maximum, it returned to normal. Under perfusion conditions, the effect was less distinct, particularly with mechanoreceptor irritation.

Card 1/1

- 77 -

KARAYEV, A.I.; AYVAZYAN, L.A.

Effect of irritation of chemoreceptors of the spleen on the glycogen content in the blood. 271-277 '56. (MLRA 9:8)
(Glycogen) (Receptors (Neurology))

KARAYEV, A.I.; SAFAROV, R.I.

Mechanism of the reflex action of stimulation of uterine chemoreceptors on the activity of the posterior lobe of the hypophysis.
Trudy Sekt.fiziol. AN Azerb.SSR. 1:15-25 '56. (MLRA 10:9)
(UTERUS--INNERVATION) (PITUITARY BODY)
(REFLEXES)

KARAYEV, A.I.; GUSEYNOV, G.A.; DADASHEV, A.G.

Effect of the stimulation of mechanoreceptors of the small intestine
on the glycogen, sugar, and lactic acid content of blood. Uch.zap.
AGU no.3:51-57 '56. (MLIA 10:4)
(Intestines--Innervation) (Blood--Analysis and chemistry)
(Carbohydrate metabolism)

KARAYEV A.I.

Some pharmacological properties of Shagan mineral water.
I. Kamet, V. K. Ales, G. I. Alatauverdibekov, and
M. A. Guseinov. *Vestn. Akad. Nauk Azer. SSR*, 1956, No. 1, p. 104-106. (Russian Summary, 104-6).—Mineral
water from Shagan (1) is ferruginous, com- bicarbonates of
Ca and Mg. The administration to rabbits of 1 dilute solu-
tion of blood vessels of the ear promotes elongation of cardiac
muscles and in a short time causes the presence of pro-
longed contraction of 100% of the percentage of hemoglobin
in rabbit blood, and 80% in the rabbit's blood-producing
organs.

4

KARAYEV, A.I.; GAIBOV, T.D.

Effect of interoceptor excitation on blood sugar level. Izv. AN
Azerb. SSR no.10:75-84 0 '56. (MLRA 10:3)
(BLOOD SUGAR) (RECEPTORS (NEUROLOGY))

KARAYEV, A.I.; ALIYEV, R.K.; QUSSEYNOV, G.A.; DADASHEV, A.G.

Effect of some mineral substances on the tolerance of the organism
to carbohydrates [in Azerbaijani with summary in Russian]. Izv.AN
Azerb.SSR no.11:69-82 '56. (MLRA 10:2)
(Carbohydrates in the body)

KARAYEV, A. I.

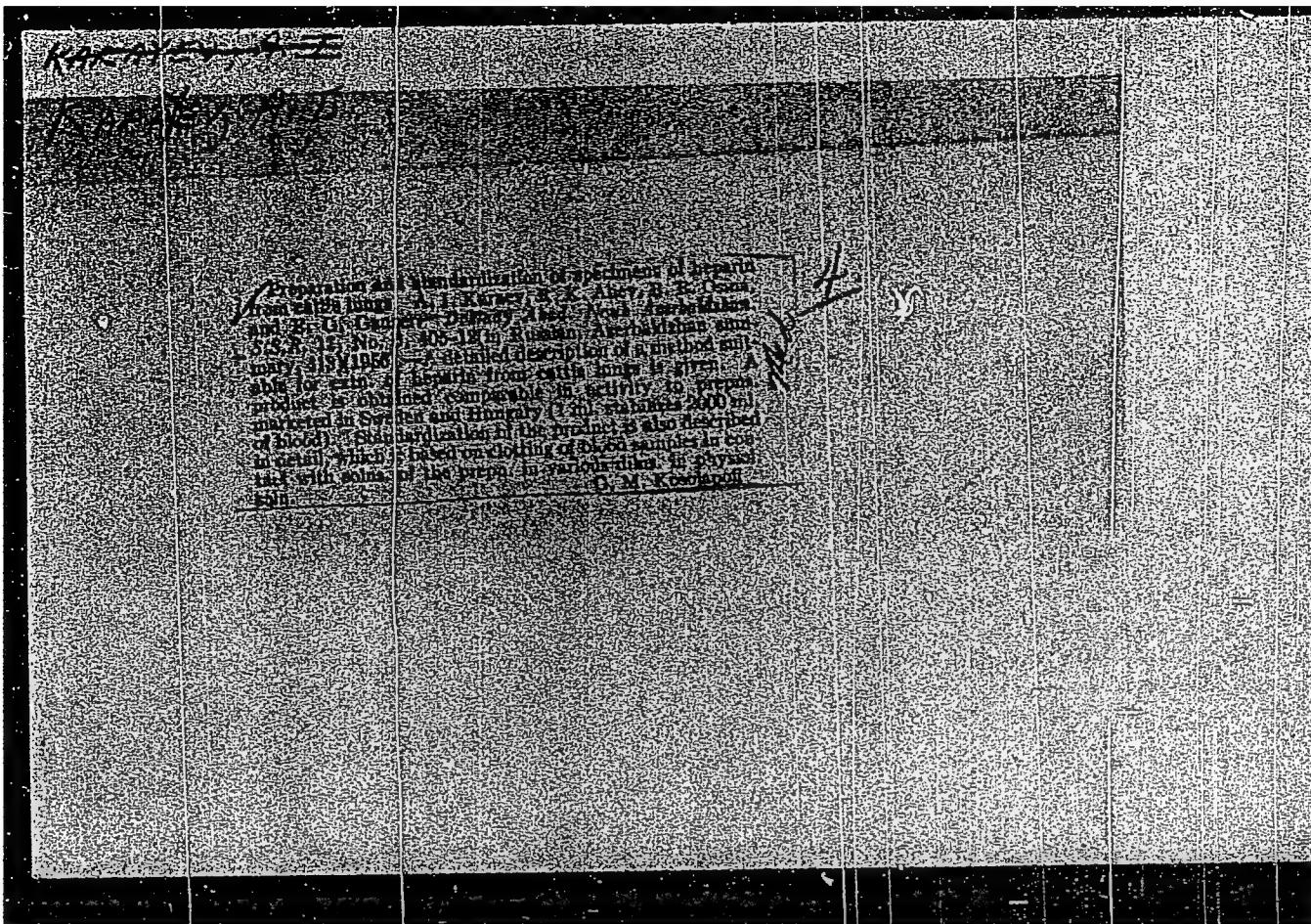
✓ The effect of irritation of interoceptors on the residual
nitrogen and polypeptide nitrogen of the blood. A. I.
Karayev, R. I. Safarov, and N. A. Rzaev. *Doklady Akad.*
Nauk Azerbaidzhan. S.S.R. 12, 129-32 (1956) (in Russian).
Irritation of the receptor centers of the rectum of dogs re-
sults in intensification of protein metabolism, shown by in-
crease of nonprotein N and polypeptide N in the blood.

O. M. Kurnapul

3

KARAYEV, A. I.

✓ Effect of irritation of chemoreceptors of the spleen on the content of glycogen in the blood. A. I. Karayev and L. A. Alvaryan. *Doklady Akad. Nauk Azerbaidzhan. S.S.R.* 12, 271-6 (1958). Stimulation of innervated spleens of cats was performed by means of acetylcholine and adrenaline, which were perfused through the vessels of the organ. Acetylcholine caused a significant drop in blood glycogen, subject to individual variations in magnitude, followed by a rise usually above normal level. Adrenaline also caused a glycogen decline but this was less pronounced. In 2 cases adrenaline caused a rise in blood glycogen. G. M. T.



APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000720630006-7"

KARAYEV, A.I.; BABAYEVA, V.A.

Effect of electronarcotic sleep on the phagocytic activity of leucocytes [in Azerbaijani with summary in Russian]. Dokl. AN Azerb. SSR 12 no.10:717-722 '56. (MLRA 10:1)
(Phagocytosis) (Electric anesthesia)

T-1

KARAYEV, A.I.

USSR, ~~Problems of Pathology - Immunity.~~ APPROVED FOR RELEASE: 06/13/2000⁶⁵ CIA-RDP86-00513R000720630006-7"

Abs Jour : Ref Zhur Biol., No 1, 1956, 41, No 6, 58-61

Author : A.I. Karayev, R.Z. Kafarova, Sh. Rustamova.

Inst : ~~Problems of Pathology - Immunity.~~

Title : The Influence of Irritation of Chemoceptors of the Liver and Mechanoceptors of the Rectum on the Phagocytic Activity of the Leukocytes.

Orig Pub : Byul. eksperim. biol. i meditsiny, 1956, 41, No 6, 58-61

Abstract : In rabbits the phagocyte activity of leukocytes (PhAL) in relation to a killed culture of staphylococcus aurens was determined, after which an irritation of the chemoceptors of the liver was produced by placing on the surface of the liver a solution of acetylcholine (1 : 1000). In the experimental animals a diminution of Ph A L took place, which lasted about one hour. This phenomenon was of a reflex character, because the placing of acetylcholine on a preliminary novocainized surface of the liver was not

Card 1/2

Card _____

KARAYEV, A.I.; KAFAROVA, R.Z.; RUSTAMOVA, Sh.

Effect of the stimulation of chemoreceptors of the liver and mechanoreceptors of the colon on the phagocytic activity of leukocytes. Biul.eksp.biol.med. 42 no.6:58-61 Je '56. (MLRA 9:9)

1. Iz kafedry fiziologii cheloveka i zhivotnykh (zav. - prof. A.I. Karayev) Azerbaydzhanskogo gosudarstvennogo universiteta imeni S.M. Kirova, Baku. Predstavlena deystvitel'nym chlenom AMN SSSR V.N. Chernigovskim.

(PHAGOCYTOSIS

eff. of stimulation of chemoreceptors of liver & of mechanoreceptors of colon on phagocytic activity of leukocytes in rabbits)

(CENTRAL NERVOUS SYSTEM, physiol.
same)

KARAYEV, A.I.; LOGINOV, A.A.

Effect of stimulation of the interreceptors on the chronaxy of the
motor zone of the cerebral cortex. *Fiziol.zhur.* 42 no.9:752-757
S '56. (MIREA 9:11)

1. Kafedra fiziologii cheloveka i zhivotnykh Universiteta im. S.M.
Kirova, g.Baku.

(CEREBRAL CORTEX, physiology.

chronaxy of motor zone, eff. of stimulation of bladder &
rectum (Rus))

(RECTUM, physiology.

eff. of stimulation of cerebrocortical motor chronaxy (Rus))

(BLADDER, physiology,

same)

USSR / Pharmacology and Toxicology. Hematopoietics.

v-6

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75830

Author : Karayev, A. I.; Aliyev, P. K.; Osina, Ye. Ye.; Igonets, G. Ya.

Inst : Not given

Title : Extraction of Campolon from the Liver of the Sturgeon
Species of Fish.

Orig Pub : Ma'ruzalar AzerbSSR, elmler Akad. Dokl. AN AzSSR, 1956, 12,
No. 8, 593-596.

Abstract : No abstract.

Card 1/1

KARAYEV, Abdulla Ismail-ovly

APPROVED FOR RELEASE: 06/13/2000 S. CIA-RDP86-00513R000720630006-7"

KARAYEV, Abdulla Ismail-ovly, red.; VASILEVSKIY, Ya.B., red.izd-va; POGOSOV, V.A., tekhn.red.

[Interoreceptors and metabolism] Interoreceptors i obmen veshchestv.
Baku, Izd-vo Akad.nauk Azerbaidzhanskoi SSR, 1957. 379 p. (MIRA 11:4)
(Metabolism) (Receptors (Physiology))

USSR/Human and Animal Physiology. Internal Secretion

T-8

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65531

Author : Karayev A.I., Ragimova S.A.

Inst : Azerbaydzhan University

Title : The Change in the Phagocytic Activity of the Leukocytes in Alloxan Diabetes.

Orig Pub : Uch. zap. Azerb. un-ta, 1957, No 1, 81-84

Abstract : Rabbits were given a dose of 100 mg/kg of alloxan, and dogs were given a dose of 90 mg/kg. In the rabbits the hyperglycemia reached a maximum between the 3rd and 6th day after the intoxication, and toward the 40th day the glycemia gradually decreased. The phagocytic activity of the leukocytes reached a minimum between the 3rd and 6th day, i.e., a parallel was seen between the glycemia and the phagocytic activity of the leukocytes. With the conclusion of the toxic period (before the 15th day), the phagocytic activity of the leukocytes gradually increased. In 2 dogs

Card : 1/2

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KARAYEV, A.I.; ALIYEV, R.K.; OSINA, Ye.Ye.; GAUZER, Ye.G.; IGONETS, G.Ya.

Industrial method of manufacturing triprotamine sulfate from
sturgeon milt. Izv.AN Azerb.SSR no.1:101-110 Ja '57. (MLRA 10:5)
(Krasnodar Territory)--Snails)

USSR / Human and Animal Physiology. Nervous System.
General Problems.

T

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102160.

Author : Karayev, A. I.; Loginov, A. A.

Inst : Azerbaydzhan University.

Title : The Peculiarities of Corrective Influences from
the Receptors of the Urinary Bladder and Rectum
on Contraction of Antagonistic Muscles.

Orig Pub: Uch. zap. Azerb. un-t, 1957, No 2, 105-110.

Abstract: Stimulation of the urinary bladder and rectum receptors of cats by a pressure of 80-100 mm of mercury column produced reciprocal, and, according to their character, corrective influences on the concurrent contractions of the antagonist muscles m. tibialis anterior and m. gastrocnemius. The impulses from receptors which were stimulated first

Card 1/2

Karayev, A.I.
KASUMOV, M.A.; KARAYEV, A.I.; ALIYEV, R.K.; YUZBASHINSKAYA, P.A.

Characteristics of the chemical composition of the treacle mustard
Erysimum crassipes occurring in Azerbaijan and the effect of ga-
lenicals derived from it on the cardiovascular system. Uch. zap.
AGU no. 4:83-94 '57. (MIRA 11:1)
(AZERBAIJAN-TREACLE MUSTARD) (CARDIAC GLYCOSIDES)

KARAYEV, A.I.; MAMEDOVA, L.I.

Effect of stimulating interoceptors of the mammary gland on the
biochemical indices of blood in goats. Izv. AN Azerb. SSR no. 4:143-156
Ap '57. (MLRA 10:8)

(Mammary glands--Innervation)
(Blood--Analysis and chemistry)
(Goats)

KARAYEV, A.I.

KARAYEV, A.I.; AYVAZYAN, L.A.; KUZNETSOV, B.G.

Effect of stimulating pulmonary receptors on the glycogen, sugar,
and lactic acid content of the blood. Uch. zap. AGU no.6:63-71
'57. (MIRA 11:1)
(LUNGS--INNERVATION) (BLOOD--ANALYSIS AND CHEMISTRY)

KARAYEV, A.I.; GUSEYNOV, G.A.

Effect of renal chemoreceptor stimulation on the carbohydrate content of blood. Uch.zap.AGU no.8:55-62 '57 (MIRA 11:11)

(KIDNEYS--INNERVATION) (CARBOHYDRATE METABOLISM)